Fig. 1-1 NEMS 16

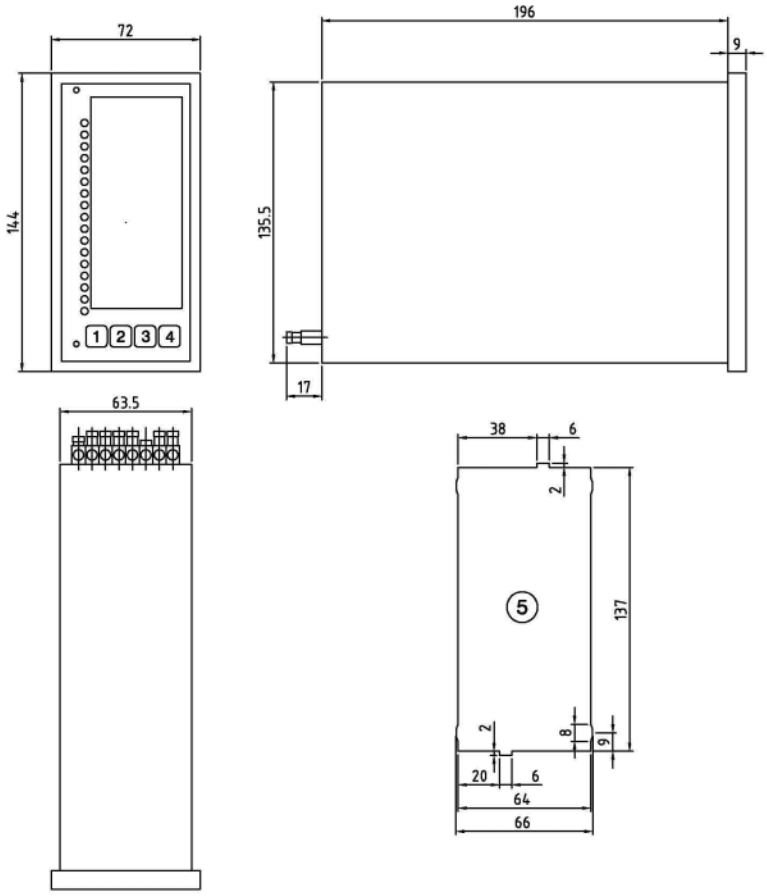

Fig. 1-2 Dimensional drawing NEMS 16

5 Dimensions panel cut out

Technical Data NEMS 16 with contactor voltage of 24 VDC

Dimension		
Dimensions (h x w x d) – instruments panel mounting – Wall mounting		 72 x 144 x 200 mm (2.8 x 5.7 x 7.9 in.) 138 x 68 mm (5.4 x 2.7 in.)
Weight		1,25 kg (2.8 lb)
Material		black sheet steel housing
Mounting		– for panel mounting with fixing clamps at the side – Pluggable terminal blocks at the back panel
Input data		
Line voltage		20 ... 28 VDC or 100 ... 240 VAC, 50 ... 60 Hz
Power consumption		5 W, 5 VA
Characteristics		
Inputs individually configurable		– 16 alarm inputs – Contactor voltage 15 ... 30 VDC – Fault/indicator function – Operating/ closed circuit current function – Virtual control via LAMTEC SYSTEM BUS – Bypass function – Release time from 0 ... 1 h 49 min – External acknowledgement function – Non-interacting Inputs, proved by TÜV (Report No. C1125 00/03) – Through the absence of reaction from inputs, the 24 VDC safety chain resolves directly – Indicator system network via LAMTEC SYSTEM BUS. Up to 64 NENS-16 devices can be connected with each other (1024 signal inputs)
Relay outputs		Two separate relays, with one isolated contact each (SPDT), individually programmable
Indicator functions		– First-/new value message – Resolution 1 ... 127 ms – LED mirror function – Contact chatter rejection – Classification of alarms via groups local/global
Indication	1 16 (red) (green)	LED (green) = main power ON LEDs two colours first value = rapid flashing LED (2 Hz) new value = slow flashing LED (1 Hz) process indication = steady light ON/OFF
		Clear output message: – FMS/ETAMATIC – Display- and control terminal – Printer output Inscription: – White card strip with clip, for insert into, foil pocket

Technical Data NEMS 16 with contactor voltage of 24 VDC

Characteristics		
Operation	EQ	Cancels first value signal
	NQ	Cancels new value signal
	HQ	Cancels hooter
	LP	Lamp (LED) test
Communication Interfaces	– LAMTEC SYSTEM BUS – Optional RS232 via additional module – Optional fieldbus (Profibus DP) via additional module	

Environmental conditions	
Protection type (DIN-IEC 0801-4)	IP40 at the front (optional IP54)

Order Information

In panel mounting housing 72 x 144 mm, contactor voltage 15 ... 30 VDC, resolution appr. 1 ms

Description / Type	Order no.
NEMS 16, power supply voltage 230 VAC, without RS232-interface, panel installation housing IP40	680R1000
NEMS 16, power supply voltage 230 VAC, with RS232-interface, panel installation housing IP40, incl. configuration software	680R1001
NEMS 16, power supply voltage 24 VDC without RS232-interface, panel installation housing IP40	680R1010
NEMS 16, power supply voltage 24 VDC, with RS232-interface, panel installation housing IP40, incl. configuration software	680R1011

In 19" – rack 3HE, max. 112 alarms / rack, contactor voltage 15 ... 30 VAC, resolution (appr. 1 ms)

Description / Type	Order no.
19" Rack for 7x NEMS 16 plug in cards (112 indications), 3HE, 24 VDC without cables	680R1042
Set cables Including 7 contactor cables, pins to open ends for 19"-rack	680R1047
Contactor cable 24 pins, length 4,5 m, pins to open ends, for 19"-rack	680R1048
NEMS 16 plug in card, 24 VDC, without RS232-interface, for installation in 19" rack	680R1015

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The information in this publication is subject to technical changes.

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